

Evonik Corporation DYNACOLL® 7230 Copolyester

Category : Polymer , Thermoset , Polyester, TS

Material Notes:

DYNACOLL® 7000 products are linear copolyesters with primary hydroxyl functionality and medium molecular weight. Our DYNACOLL® 7000 product line is designed as a building block system, allowing the tailormade production of reactive hot melts (RHM). The 7200 series is a liquid.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Evonik-Corporation-DYNACOLL-7230-Copolyester.php

| Physical Properties | Metric | English | Comments |
|---------------------|----------------------|---------------------------|----------|
| Density | 1.17 g/cc | 0.0423 lb/in ³ | |
| | @Temperature 23.0 °C | @Temperature 73.4 °F | |
| Viscosity | 10000 cP | 10000 cP | |
| | @Temperature 80.0 °C | @Temperature 176 °F | |
| Molecular Weight | 3500 g/mol | 3500 g/mol | |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|----------|----------|------------------------|
| Tensile Strength, Ultimate | 15.0 MPa | 2180 psi | with MDI; OH:NCO=1:2.3 |
| Elongation at Break | 900 % | 900 % | with MDI; OH:NCO=1:2.3 |

| Thermal Properties | Metric | English | Comments |
|---------------------------|-----------|-----------|----------|
| Glass Transition Temp, Tg | -30.0 °C | -22.0 °F | |
| Flash Point | >= 200 °C | >= 392 °F | |

| Chemical Properties | Metric | English | Comments |
|---------------------|--------|---------|------------|
| Total Acid Number | <= 2.0 | <= 2.0 | [mg KOH/g] |

| Descriptive Properties | Value | Comments |
|----------------------------|-------|----------|
| Hydroxyl Number (mg KOH/g) | 27-34 | |

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